

## Zion National Park Vegetation Map Class for *Quercus gambelii* Woodland (Alliance)

The map class "*Quercus gambelii* Woodland (Alliance)" is composed of the following vegetation associations, each described separately:

- *Quercus gambelii* / *Amelanchier utahensis* Shrubland
- *Quercus gambelii* / *Artemisia tridentata* Shrubland
- *Quercus gambelii* - *Cercocarpus montanus* / (*Carex geyeri*) Shrubland
- *Quercus gambelii* / *Symphoricarpos oreophilus* Shrubland
- *Quercus gambelii* / *Poa fendleriana* Shrubland

This map class is identical to the gambel oak shrubland map class except for the structure of the gambel oak. On the aerial photos the woodland form appeared taller and usually occurred in more mesic areas such as valleys, floodplains, and north-facing footslopes. In a majority of cases, this type had a closed canopy preventing understory species from being interpreted from the aerial photography. The presence of bigtooth maple was all that separated this map class from the Bigtooth Maple / Gambel Oak Forest map class and led to some confusion when the maple was in low abundance.